

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number  
**WO 2005/067735 A3**

(51) International Patent Classification:  
A21D 8/04, A23C 19/032

**A23L 1/27.**

(74) Agents: MISSET, Onno et al.; DSM Intellectual Property, Delft Office (600-0240), P.O.Box 1, NL-2600 MA DELFT (NL).

(21) International Application Number:  
PCT/EP2005/000442

(22) International Filing Date: 13 January 2005 (13.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
04075123.2 13 January 2004 (13.01.2004) EP

(71) Applicant (for all designated States except US): DSM IP Assets B.V. [NL/NL]; Het Overloon 1, NL-6411 TE HEERLEN (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MUTSAERS, Johanna , Henrica , Gerdina, Maria [NL/NL]; Middenhaven 15, NL-2635 GT DEN HOORN (NL). WENZEL, Thibaut, José [NL/NL]; Constantijn Huygenslaan 45, NL-2332 TS LEIDEN (NL). DE BOER, Lex [NL/NL]; Zonnebloemstraat 7, NL-2292 DH Wateringen (NL). DIJK, VAN, Albertus, Alard [NL/NL]; Cederdreef 32, NL-3137 PB VLAARDINGEN (NL). ROOIJEN, VAN, Rutger, Jan [NL/NL]; Albertine Agneslaan 25, NL-6713 MN EDE (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:  
24 November 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

**WO 2005/067735 A3**

(54) Title: NOVEL PROCESS FOR ENZYMATICAL BLEACHING OF FOOD PRODUCTS

(57) Abstract: The present invention relates to a process for the production of a food product whereby an intermediate form of said food product comprises a pigment, which process comprises adding at least one enzyme that is effective in directly converting said pigment into a form which results in increasing the whiteness of at least part of the food product compared to the food product for which said enzyme is not added during its production. The invention also relates to food products obtained from the process of the invention.